

ABSTRACT

CMP FOR CORROSION-FREE COFE ELEMENTS FOR MAGNETIC HEADS

A method of manufacture of magnetic heads which include CoFe elements using CMP is presented. The method includes providing a slurry of Al_2O_3 , adjusting the

5 concentration of H_2O_2 in said slurry to within a range of 6-12% by volume and balancing mechanical polishing action. The balancing is done by adjusting the table speed of a mechanical polisher to within a range of 55-90 rpm, and adjusting polishing pressure to within a range of 5-7 psi. Also a magnetic head having elements made of CoFe material made by this method is disclosed.

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